



#5/amdt B  
2/13/03  
PATENT A.S.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:

Brian YANG *et al.*

Serial Number: 09/414,518

Filed: October 8, 1999

)  
)  
)  
)  
)  
)

Group Art Unit: 2644

Examiner: L. Grier

entered

For: Time-Division Method For Playing Multi-Channel Voice Signals

AMENDMENT AND RESPONSE

Honorable Commissioner For Patents  
Washington, D.C. 20231

RECEIVED  
FEB 10 2003  
Technology Center 2600

Sir:

This paper is in response to the Official Action dated November 7, 2002. Kindly amend the application in accordance with the following particulars:

IN THE CLAIMS:

Please cancel claims 1-4 and 13-27, without prejudice or disclaimer.

Please substitute therefor new claims 28-43 as presented in Appendix A, attached hereto.

REMARKS

Reconsideration of the application is respectfully requested.

The rejection of claims 1-4 and 13-27 is respectfully traversed, insofar as it may be applied to new claims 28-43, for the following reasons:

1. The **admitted prior art** is a system that processes **one voice signal per channel** *rather than distributing the voice signal over different channels*, and that **sums** the voice signals before sending them to a PWM modulator *rather than directly modifying and outputting the multi-channel sampled signal* to provide the

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: BRIAN YANG ET AL.

SERIAL NO.: 09/414,518

GROUP ART UNIT: 2644

FILED: October 8, 1999

EXAMINER: L. Grier

FOR: Time-Division Method For Playing Multiple  
Channel Voice Signals

ATTY. REFERENCE: YANG3018/EM/BEU

RECEIVED

FEB 10 2003

Technology Center 2600

THE COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Sir:

Transmitted herewith is a communication/amendment in the above-identified application.

- ☒ Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted.
- ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.
- ☒ No additional fee is required.

The fee, if any, has been calculated as shown below:

Fee Basis	Number of Claims After Amendment	Highest Number Previously Paid For	Extra Claims	Small Entity	Full Fee
Total Claims		<sup>1</sup>	<sup>3</sup>	× \$ 9 =	× \$ 18 =
Independent Claims		<sup>2</sup>	<sup>3</sup>	× \$ 40 =	× \$ 80 =
<input type="checkbox"/> First Presentation of Proper Multiple Dependent Claim				+ \$135 =	+ \$270 =
TOTAL					

<sup>1</sup> If less than 20 enter 20.<sup>2</sup> If less than 3 enter 3.<sup>3</sup> If less than 0 enter 0.

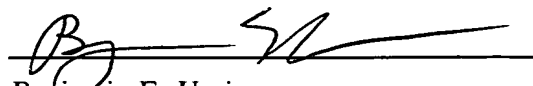
- ☐ Please charge my Deposit Account Number 02-0200 in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is attached.
- ☐ A check in the amount of \$ \_\_\_\_\_ is attached.
- ☒ The Commissioner is hereby authorized to charge any additional fees associated with this communication, including fees due under 37 CFR 1.16 and 37 CFR 1.17 or credit any overpayment to Deposit Account Number 02-0200. A duplicate copy of this sheet is attached.
- ☒ Also enclosed is/are:

Appendix A - clean copy of amended claims

BACON & THOMAS, PLLC  
625 SLATERS LANE - FOURTH FLOOR  
ALEXANDRIA, VIRGINIA 223124-1176  
(703) 683-0500

DATE: February 6, 2003

Respectfully submitted,



Benjamin E. Urcia  
Attorney for Applicant  
Registration Number: 33,805